AMENDMENTS TO THE SPECIFICATION

Please replace the abstract with the following:

One embodiment of the present invention provides a system that reduces the overhead involved in executing a native code method in an application running on a virtual machine. During operation, the system selects a call to a native code method to be optimized within the virtual machine. ~~. The system then~~ decompiles at least part of the native code method into an intermediate representation, and ~~. The system also~~ obtains an intermediate representation associated with the application ~~running on the virtual machine~~. Next, the system combines the intermediate representation for the native code method with the intermediate representation associated with the application running on the virtual machine to form a combined intermediate representation. ~~. The system then~~ and generates native code from the combined intermediate representation, wherein the native code generation process optimizes interactions between the application running on the virtual machine and the native code method. ~~In a~~ A variation on this embodiment ~~, optimizing interactions between the application and the native code method~~ involves optimizing callbacks by the native code method into the virtual machine.

In accordance with the Examiner's rejection under 35 U.S.C. § 101 regarding non-statutory matter, please replace lines paragraph [0017] on page 5 of the specification with the following paragraph:

The data structures and code described in this detailed description are typically stored on a computer readable storage medium, which may be any device or medium that can store code and/or data for use by a computer system. This includes, but is not limited to, magnetic and optical storage devices such as disk drives, magnetic tape, CDs (compact discs) and DVDs (digital versatile discs or digital video discs) ~~, and computer instruction signals embodied in a transmission medium (with or without a carrier wave upon which the signals are modulated). For example, the transmission medium may include a communications network, such as the Internet~~. However this does not include computer instruction signals embodied in a transmission medium (with or without a carrier wave upon which the signals are modulated).

Attachments: Clean copy of Abstract